

SENIOR WATER QUALITY BIOLOGIST

DEFINITION:

Under general direction, to perform difficult and responsible water quality and biological work in the field and office; supervise subordinate professional and technical personnel engaged in such work; and to perform related work.

DISTINGUISHING CHARACTERISTICS:

Senior Water Quality Biologists are generally responsible for the planning, organizing, and evaluation of complex programs and studies involving wastewater treatment and disposal, water reclamation and reuse, water conservation, solid waste disposal, and monitoring of impacts on associated resources.

EXAMPLES OF DUTIES:

Serves as the principal staff specialist on complex projects involving water and wildlife resources; responsible for project development and management which includes correspondence and oral presentations before the Board of Supervisors; applies for, and prepares, permits, grants, correspondence, and oral presentations for various regulatory agencies and commissions; prepares budget requests and budget management outlines for projects; prepares Environmental Impact Reports (EIR's) and Environmental Impact Statements (EIS's); disseminates information to the public; plans, conducts, and evaluates monitoring programs for compliance monitoring of wastewater disposal activities for water reclamation and reuse; and performs work in or on the ocean, lagoons, lakes, and streams, or the supervision of such work.

MINIMUM QUALIFICATIONS:

Thorough Knowledge of:

- Project management.
- Budgetary process.
- Biological principles and conservation.
- Marine, lentic, lotic and estuarine environments.
- Wastewater treatment and disposal.
- Water reclamation and reuse and water conservation.
- Groundwater and surface water data gathering resources.
- Hydrology and hydrologic cycle.
- Solid waste disposal as related to water quality impact.
- Marine and freshwater environment monitoring.
- EIR and EIS procedures
- Principles and practices of supervision and training.

General Knowledge of:

- Political and governmental processes, both local and state.
- State and federal policies, ordinances, practices and procedures and permit process of: Regional Water Quality Control Board, State Water Resources Control Board, California Department of Fish and Game, California Department

of Public Health, State Lands Commission, Army Corps of Engineers, U. S. Fish and Wildlife Services, Environmental Protection Agency, City of San Diego, and County agencies.

- Irrigated agriculture.
- Civil and Sanitary Engineering.
- SCUBA diving as related to ability of divers to perform monitoring tasks.
- The General Management System in principle and in practice.

Skills and Abilities to:

- Identify and resolve technical and administrative problems.
- Evaluate and select alternatives for projects.
- Operate special scientific equipment.
- Operate electronic information services.
- Establish and maintain cooperative working relations with those contacted in the course of work.
- Communicate effectively both orally and in writing.

EDUCATION/EXPERIENCE:

Education, training, and/or experience which would clearly demonstrate the knowledge, skills and abilities stated above. An example of qualifying education/experience is: A Bachelor's degree in Biology or a closely related field; AND, five (5) years or more of responsible, progressive experience in water quality, wastewater treatment, monitoring of marine and fresh water environments. Experience is also required in project management, State and Federal grant application procedures, and permit application procedures of regulatory agencies.

SPECIAL NOTES, LICENSES, OR REQUIREMENTS:

License:

Positions in this class require possession of a valid California Class C driver's license.

Physical Requirements:

Incumbents will be required to walk on different types of terrain and to read fine print.